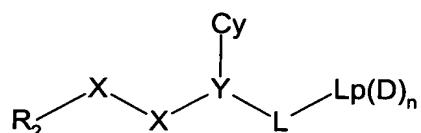


Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1 (currently amended): A serine protease inhibitor compound of formula (I)



(I)

wherein:

R<sub>2</sub> is:-

(i) phenyl optionally being substituted in the 3 and/or 4 position by halo, nitro, thiol, haloalkoxy, hydrazido, alkylhydrazido, amino, cyano, haloalkyl, alkylthio, alkenyl, alkynyl, acylamino, tri or difluoromethoxy, carboxy, acyloxy, MeSO<sub>2</sub>- or R<sub>1</sub>, and optionally substituted at the 6 position by amino, hydroxy, halo, alkyl, carboxy, alkoxycarbonyl, cyano, amido, aminoalkyl, alkoxy or alkylthio;

(ii) naphth-2-yl optionally substituted at the 6 or 7 position by halo, haloalkoxy, haloalkyl, cyano, nitro, amino, hydrazido, alkylthio, alkenyl, alkynyl or R<sub>1j</sub> and optionally substituted at the 3 position by amino, hydroxy, halo, alkyl, carboxy, cyano, amido, aminoalkyl, alkoxy or alkylthio;

(iii) isoquinolin-7-yl, indol-5-yl, indol-6-yl, indazol-5-yl, indazol-6-yl, benzothiazol-6-yl or benzisoxazol-5-yl optionally substituted at the 3 position by halo, haloalkoxy, haloalkyl, cyano, nitro, amino, hydrazido, alkylthio, alkenyl, alkynyl or R<sub>1j</sub>;

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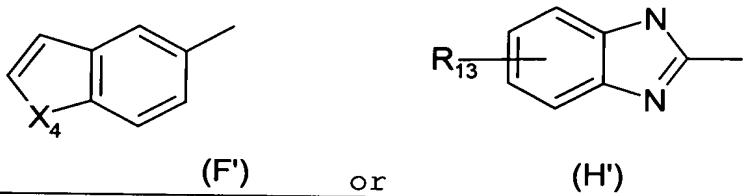
- (iv) benzimidazol-5-yl or benzothiazol-6-yl optionally substituted at the 2 position by amino;
- (v) thien-2-yl or thien-3-yl optionally substituted at the 4 or 5 position by halo, haloalkoxy, haloalkyl, cyano, nitro, amino, hydrazido, alkylthio, alkenyl, alkynyl or R<sub>1</sub>;
- (vi) 3,4-methylenedioxypyphenyl, 2,3-dihydroindol-6-yl, 3,3-dichloro-2-oxo-indol-6-yl or 1-methyl-3-aminoindazol-5-yl;
- (vii) benzothiazol-2-yl, imidazo[1,2-a]pyrimidin-2-yl or tetrahydroimidazo[1,2-a]pyrimidin-2-yl;
- (viii) pyrazol-2-yl optionally substituted at the 5 position by halo, haloalkoxy, haloalkyl, cyano, nitro, amino, hydrazido, alkylthio, alkenyl, alkynyl or R<sub>1</sub>;
- (ix) pyrid-2-yl optionally substituted at the 5 position by halo, haloalkoxy, haloalkyl, cyano, nitro, amino, hydrazido, alkylthio, alkenyl, alkynyl or R<sub>1</sub>;
- (x) pyrid-3-yl optionally substituted at the 6 position by halo, haloalkoxy, haloalkyl, cyano, nitro, amino, hydrazido, alkylthio, alkenyl, alkynyl or R<sub>1</sub>;
- (xi) benzofur-2-yl optionally substituted at the 3 position by amino, hydroxy, halo, alkyl, carboxy, cyano, amido, aminoalkyl, alkoxy or alkylthio and at the 5 or 6 position by halo, haloalkoxy, haloalkyl, cyano, nitro, amino, hydrazido, alkylthio, alkenyl, alkynyl or R<sub>1j</sub>;
- (xii) indol-2-yl optionally substituted on the indole nitrogen atom by alkyl and optionally substituted at the 5 or 6 position by halo, haloalkoxy, haloalkyl, cyano, nitro, amino, hydrazido, alkylthio, alkenyl, alkynyl or R<sub>1j</sub>;
- (xiii) indol-6-yl substituted at the 5 position by amino, hydroxy, halo, alkyl, carboxy, alkoxy carbonyl, cyano, amido, aminoalkyl, alkoxy or alkylthio and optionally substituted at the 3 position by halo, haloalkoxy, haloalkyl, cyano, nitro, amino, hydrazido, alkylthio, alkenyl, alkynyl or R<sub>1j</sub>; or

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(xiv) benzo[b]thiophen-2-yl optionally substituted at the 3 position by amino, hydroxy, halo, alkyl, carboxy, cyano, amido, aminoalkyl, alkoxy or alkylthio and at the 5 or 6 position by halo, haloalkoxy, haloalkyl, cyano, nitro, amino, hydrazido, alkylthio, alkenyl, alkynyl or R<sub>1j</sub>;

with the proviso that R<sub>2</sub> cannot be aminoisoquinolyl;

or R<sub>2</sub> is a group of formula (F') or (H')



wherein X<sub>4</sub> is O or S, and R<sub>13</sub> is selected from hydrogen, fluoro, chloro and methyl;

-X-X- is -CONH-;

R<sub>1</sub> is hydrogen, hydroxy, alkoxy, alkyl, alkylaminoalkyl, alkanoyl, hydroxyalkyl, alkoxyalkyl, alkoxycarbonyl, alkylaminocarbonyl, alkylamino, carboxyl, carboxymethyl, amido or amidomethyl;

R<sub>1j</sub> is hydrogen, hydroxy, alkoxy, alkyl, alkanoyl, hydroxyalkyl, alkoxyalkyl, alkoxycarbonyl, alkylamino, carboxyl, carboxymethyl, amido or amidomethyl;

Y (the α-atom) is a CH group;

Cy is an optionally R<sub>3a</sub> substituted: phenyl, pyridyl, thienyl, thiazolyl, naphthyl, piperidinyl, furanyl, pyrrolyl, isoxazolyl, isothiazolyl, pyrazolyl, oxazolyl, imidazolyl, 1,2,4-thiadiazolyl, 1,3,4-thiadiazolyl, pyrimidinyl, pyridazinyl, quinolyl, isoquinolyl, benzofuryl, benzothienyl or cycloalkyl group, or a phenyl group substituted by R<sub>3i</sub>X<sub>i</sub>;

each R<sub>3a</sub> independently is hydrogen, hydroxyl, alkoxy, aralkyloxy, alkyl, alkylaminoalkyl, hydroxymethyl, carboxy, alkoxyalkyl, alkoxycarbonyl, alkylaminocarbonyl, aminomethyl,

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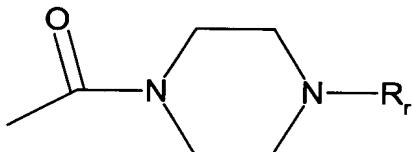
$\text{CONH}_2$ ,  $\text{CH}_2\text{CONH}_2$ , (1-6C) alkanoylamino, alkoxy carbonylamino, amino, halo, cyano, nitro, thiol, alkylthio, alkylsulphonyl, alkylsulphenyl, triazolyl, imidazolyl, tetrazolyl, hydrazido, alkylimidazolyl, thiazolyl, alkylthiazolyl, alkyloxazolyl, oxazolyl, alkylsulphonamido, alkylaminosulphonyl, aminosulphonyl, haloalkoxy, haloalkyl, a group of the formula  $-\text{C}(\text{X}^3)\text{N}(\text{R}^{11})\text{R}^{12}$  (wherein  $\text{X}^3$  is O or S; and  $\text{R}^{11}$  and  $\text{R}^{12}$  are independently selected from hydrogen, methyl or ethyl or together with the nitrogen atom to which they are attached form a pyrrolidin-1-yl, piperidin-1-yl or morpholino group), or  $-\text{OCH}_2\text{O}-$  which is bonded to two adjacent ring atoms in Cy;

$\text{X}_i$  is a bond, O, NH or  $\text{CH}_2$ ;

$\text{R}_{3i}$  is phenyl, pyridyl or pyrimidinyl optionally substituted by  $\text{R}_{3a}$ ;

and

$-\text{L-Lp(D)}_n$  is of the formula:

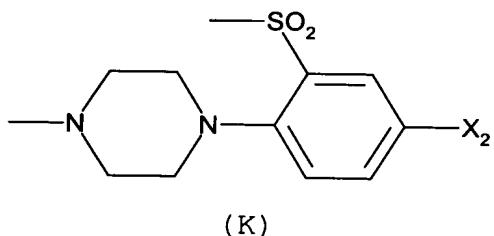


in which  $\text{R}_r$  is  $-(\text{CH}_2)_c\text{R}_c$ ,  $-\text{CHR}_e\text{R}_f$ ,  $-\text{CH}_2-\text{CHR}_e\text{R}_f$ ,  $-\text{CH}_2-\text{CH}_2-\text{CHR}_e\text{R}_f$ , or  $\text{R}_g$  in which  $c$  is 1 or 2;  $\text{R}_c$  is thienyl, thiazolyl (which may bear an amino substituent), isothiazolyl, oxazolyl, isoxazolyl, pyrazolyl, imidazolyl, pyridyl (which may bear an alkylsulphonyl, aminosulphonyl, alkylaminosulphonyl, alkylaminocarbonyl, amino, amido, (1-4C) alkoxy carbonyl, carboxy, acetyl amino, chloro, fluoro, cyano, (1-3C) alkyl, trifluoromethyl, methoxy, ethoxy, nitro, hydroxy, alkylsulphonylamino, triazolyl or tetrazolyl substituent), pyrimidinyl, pyridazinyl, pyrazinyl or phenyl (which may bear a methyl, methylamino, dimethylamino, carboxy, dialkylaminosulphonyl, alkylsulphonyl, aminosulphonyl, alkylaminosulphonyl, alkylaminocarbonyl, amino, amido,

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alkoxycarbonyl, acetylamino, chloro, fluoro, cyano, methoxy, ethoxy, nitro, hydroxy, alkylsulphonylamino, triazolyl or tetrazolyl substituent); each of  $R_e$  and  $R_f$  independently is hydrogen or C<sub>1-3</sub>alkyl; or  $CHR_eR_f$  is cyclopentyl (which may bear a hydroxy, amino, (1-3C)alkoxy, (1-3C)hydroxyalkyl, (1-3C)alkyl, carboxy, methoxycarbonyl or ethoxycarbonyl substituent at the 3- or 4-position), cyclohexyl (which may bear a hydroxy, amino, (1-3C)alkoxy, (1-3C)hydroxyalkyl, (1-3C)alkyl, carboxy, methoxycarbonyl or ethoxycarbonyl substituent at the 3- or 4-position), tetrahydropyran-4-yl, tetrahydrothiopyran-4-yl, pyrrolidin-3-yl (which may bear a hydroxy, amino, (1-3C)alkoxy, (1-3C)hydroxyalkyl, (1-3C)alkyl, carboxy, methoxycarbonyl or ethoxycarbonyl substituent at the 1-position), piperidin-4-yl (which may bear a hydroxy, amino, (1-3C)alkoxy, (1-3C)hydroxyalkyl, (1-3C)alkyl, carboxy, methoxycarbonyl or ethoxycarbonyl substituent at the 1-position), or indan-2-yl; and  $R_g$  is 2-methylsulphonylphenyl which may bear a 4-fluoro substituent or  $R_g$  is  $\lambda^{6-1,1-} \text{dioxobenzo[b]thiophen-7-yl}$ ;

or a physiologically-tolerable salt thereof;  
provided that  $Lp(D)n$  is not of the formula (K):



wherein  $X_2$  is fluoro or hydrogen.

2 (currently amended): A compound according to claim 1 wherein:

$R_2$  is:-

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(i) phenyl optionally being substituted in the 3 and/or 4 position by halo, nitro, thiol, haloalkoxy, hydrazido, alkylhydrazido, amino, cyano, haloalkyl, alkylthio, alkenyl, alkynyl, acylamino, tri or difluoromethoxy, carboxy, acyloxy,  $\text{MeSO}_2^-$  or  $\text{R}_1$ , and optionally substituted at the 6 position by amino, hydroxy, halo, alkyl, carboxy, alkoxy carbonyl, cyano, amido, aminoalkyl, alkoxy or alkylthio;

(ii) naphth-2-yl optionally substituted at the 6 or 7 position by halo, haloalkoxy, haloalkyl, cyano, nitro, amino, hydrazido, alkylthio, alkenyl, alkynyl or  $\text{R}_{1j}$  and optionally substituted at the 3 position by amino, hydroxy, halo, alkyl, carboxy, cyano, amido, aminoalkyl, alkoxy or alkylthio;

(iii) isoquinolin-7-yl, indol-5-yl, indol-6-yl, indazol-5-yl, indazol-6-yl, benzothiazol-6-yl or benzisoxazol-5-yl optionally substituted at the 3 position by halo, haloalkoxy, haloalkyl, cyano, nitro, amino, hydrazido, alkylthio, alkenyl, alkynyl or  $\text{R}_{1j}$ ;

(iv) benzimidazol-5-yl or benzothiazol-6-yl optionally substituted at the 2 position by amino;

(v) thien-2-yl or thien-3-yl optionally substituted at the 4 or 5 position by halo, haloalkoxy, haloalkyl, cyano, nitro, amino, hydrazido, alkylthio, alkenyl, alkynyl or  $\text{R}_1$ ;

(vi) 3,4-methylenedioxophenyl, 2,3-dihydroindol-6-yl, 3,3-dichloro-2-oxo-indol-6-yl or 1-methyl-3-aminoindazol-5-yl;

(vii) benzothiazol-2-yl, imidazo[1,2-a]pyrimidin-2-yl or tetrahydroimidazo[1,2-a]pyrimidin-2-yl;

(viii) pyrazol-2-yl optionally substituted at the 5 position by halo, haloalkoxy, haloalkyl, cyano, nitro, amino, hydrazido, alkylthio, alkenyl, alkynyl or  $\text{R}_1$ ;

(ix) pyrid-2-yl optionally substituted at the 5 position by halo, haloalkoxy, haloalkyl, cyano, nitro, amino, hydrazido, alkylthio, alkenyl, alkynyl or  $\text{R}_1$ ;

(x) pyrid-3-yl optionally substituted at the 6 position by halo, haloalkoxy, haloalkyl, cyano, nitro, amino, hydrazido, alkylthio, alkenyl, alkynyl or R<sub>1j</sub>;

(xi) benzofur-2-yl optionally substituted at the 3 position by amino, hydroxy, halo, alkyl, carboxy, cyano, amido, aminoalkyl, alkoxy or alkylthio and at the 5 or 6 position by halo, haloalkoxy, haloalkyl, cyano, nitro, amino, hydrazido, alkylthio, alkenyl, alkynyl or R<sub>1j</sub>;

(xii) indol-2-yl optionally substituted on the indole nitrogen atom by alkyl and optionally substituted at the 5 or 6 position by halo, haloalkoxy, haloalkyl, cyano, nitro, amino, hydrazido, alkylthio, alkenyl, alkynyl or R<sub>1j</sub>;

(xiii) indol-6-yl substituted at the 5 position by amino, hydroxy, halo, alkyl, carboxy, alkoxycarbonyl, cyano, amido, aminoalkyl, alkoxy or alkylthio and optionally substituted at the 3 position by halo, haloalkoxy, haloalkyl, cyano, nitro, amino, hydrazido, alkylthio, alkenyl, alkynyl or R<sub>1j</sub>; or

(xiv) benzo[b]thiophen-2-yl optionally substituted at the 3 position by amino, hydroxy, halo, alkyl, carboxy, cyano, amido, aminoalkyl, alkoxy or alkylthio and at the 5 or 6 position by halo, haloalkoxy, haloalkyl, cyano, nitro, amino, hydrazido, alkylthio, alkenyl, alkynyl or R<sub>1j</sub>;

with the proviso that R<sub>2</sub> cannot be aminoisoquinolyl;

Cy is an optionally R<sub>3a</sub> substituted: phenyl, pyridyl, thienyl, thiazolyl, naphthyl, piperidinyl or cycloalkyl group;

each R<sub>3a</sub> independently is hydrogen, hydroxyl, methoxy, ethoxy, methyl, ethyl, methylaminomethyl, dimethylaminomethyl, hydroxymethyl, carboxy, methoxymethyl, methoxycarbonyl, ethoxycarbonyl, methylaminocarbonyl, dimethylamino-carbonyl, aminomethyl, CONH<sub>2</sub>, CH<sub>2</sub>CONH<sub>2</sub>, acetylarnino, methoxycarbonylamino, ethoxycarbonylamino, t-butoxycarbonylamino, amino, fluoro, chloro, cyano, nitro, thiol, methylthio, methylsulphonyl, ethylsulphonyl,

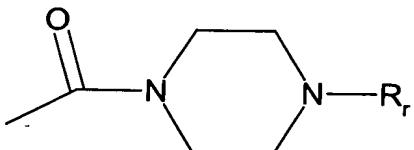
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methylsulphenyl, methylsulphonylamido, ethylsulphonylamido, methylaminosulphonyl, ethylaminosulphonyl, aminosulphonyl, trifluoromethoxy or trifluoromethyl;

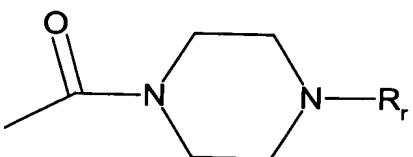
and

-L-Lp(D)<sub>n</sub> is of the formula:



in which R<sub>r</sub> is -(CH<sub>2</sub>)<sub>c</sub>-R<sub>C</sub>, -CHReR<sub>f</sub>, -CH<sub>2</sub>-CHReR<sub>f</sub>, or R<sub>g</sub> in which c is 1 or 2; R<sub>C</sub> is pyridyl or phenyl (which phenyl may bear a fluoro, chloro, methyl, CONH<sub>2</sub>, SO<sub>2</sub>NH<sub>2</sub>, methylaminosulphonyl, dimethylaminosulphonyl, methoxy or methylsulphonyl substituent); each of R<sub>e</sub> and R<sub>f</sub> independently is hydrogen or C<sub>1-3</sub>alkyl; or CHReR<sub>f</sub> is cyclopentyl (which may bear a methyl, ethyl or hydroxymethyl substituent at the 3- or 4-position), cyclohexyl (which may bear a methyl, ethyl or hydroxymethyl, ~~(1-3C)alkyl, carboxy, methoxycarbonyl or ethoxycarbonyl~~ substituent at the 3- or 4-position), tetrahydropyran-4-yl, tetrahydrothiopyran-4-yl, pyrrolidin-3-yl (which may bear a 1-methyl substituent), piperidin-4-yl (which may bear a 1-methyl substituent) or indan-2-yl; and R<sub>g</sub> is 2-methylsulphonylphenyl which may bear a 4-fluoro substituent or R<sub>g</sub> is  $\lambda^6$ -1,1-dioxobenzo[b]thiophen-7-yl.

3 (original): A compound according to claim 1 wherein -L-Lp(D)<sub>n</sub> is of the formula:



in which R<sub>r</sub> is -(CH<sub>2</sub>)<sub>c</sub>-R<sub>C</sub>; in which c is 2; R<sub>C</sub> is thiienyl, thiazolyl (which may bear an amino substituent),

isothiazolyl, oxazolyl, isoxazolyl, pyrazolyl, imidazolyl, pyridyl (which may bear an amino, methoxycarbonyl, carboxy, fluoro, cyano, methyl, methylsulphonyl, aminosulphonyl, methylaminosulfonyl, dimethylaminosulfonyl, or trifluoromethyl substituent), pyrimidinyl, pyridazinyl, pyrazinyl or phenyl (which phenyl may bear a fluoro, chloro, cyano, methyl, amino, methylsulphonyl, aminosulphonyl, methylaminosulphonyl, dimethylaminosulphonyl, methylamino, dimethylamino, carboxy, methoxycarbonyl or methoxy substituent).

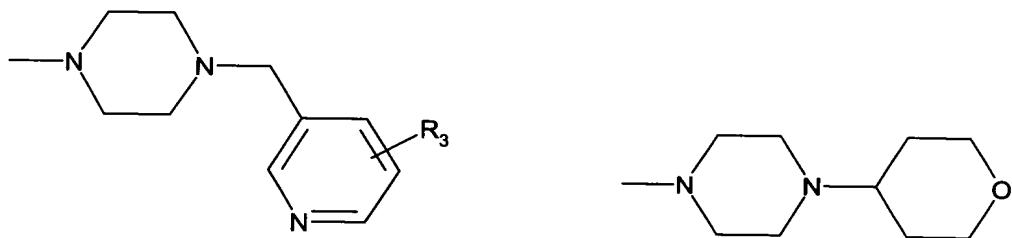
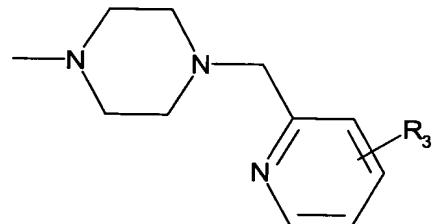
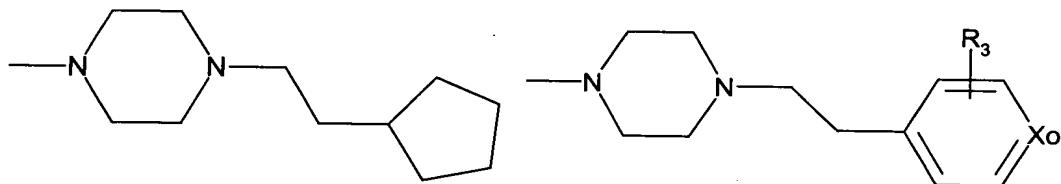
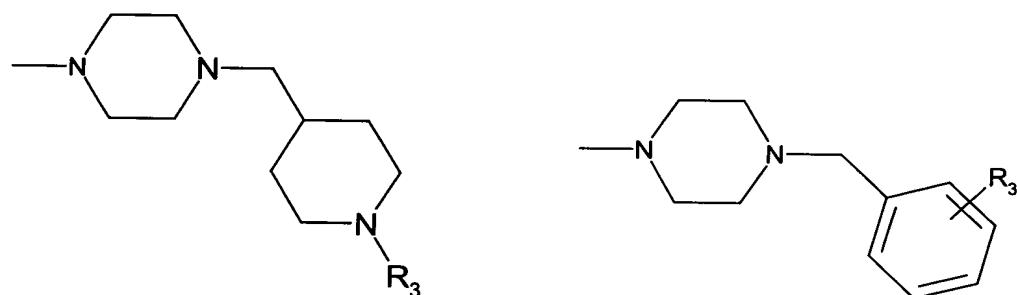
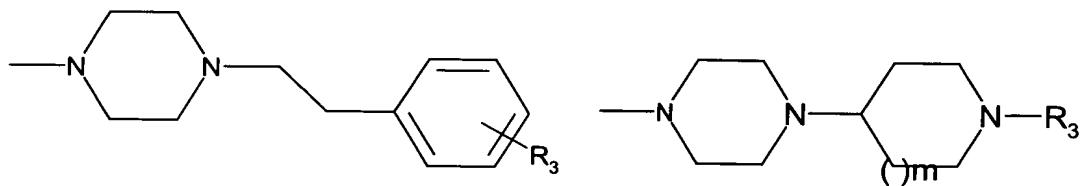
4 (previously presented): A compound according to claim 3 wherein Rc is thiazolyl (which may bear an amino substituent), pyrimidinyl, pyrazolyl, imidazolyl, pyridyl (which may bear a methylsulphonyl, aminosulphonyl, methylaminosulfonyl, dimethylaminosulfonyl, fluoro, cyano, methyl or trifluoromethyl substituent), pyridazinyl, pyrazinyl or phenyl (which phenyl may bear a fluoro, chloro, cyano, methyl, amino, methylamino, dimethylamino, carboxy, methoxycarbonyl, methylsulphonyl, aminosulphonyl, methylaminosulfonyl, dimethylaminosulfonyl, or methoxy substituent).

5 (previously presented): A compound according to claim 4 wherein Rc is thiazolyl (which may bear an amino substituent), pyrazolyl, imidazolyl, pyridyl (which may bear a fluoro, cyano, methyl or trifluoromethyl substituent), pyridazinyl or pyrazinyl.

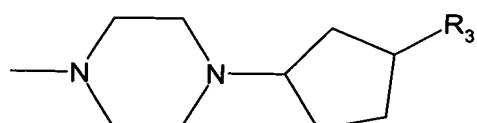
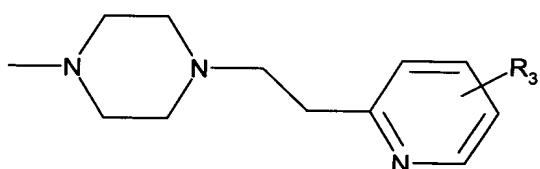
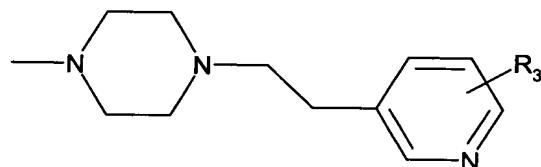
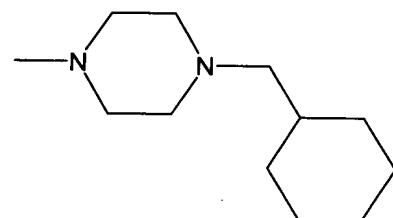
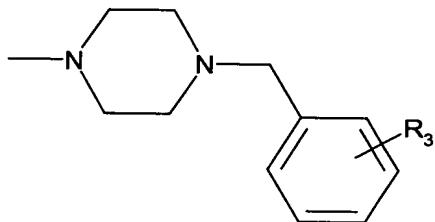
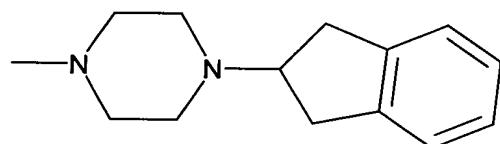
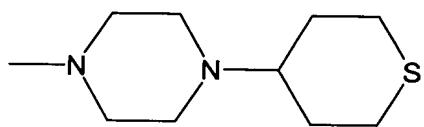
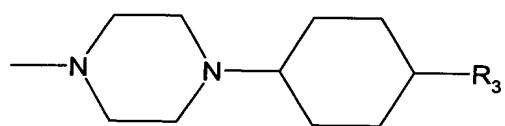
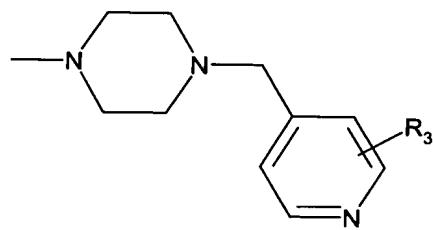
6 (previously presented): A compound according to claim 5 wherein Rc is thiazol-2-yl, 2-aminothiazol-4-yl, pyrazol-1-yl, pyrazol-4-yl, pyridazin-3-yl, imidazol-1-yl, imidazol-4-yl, pyrazin-2-yl, pyrid-2-yl, pyrid-3-yl, pyrid-4-yl, 3-fluoropyrid-4-yl, 2-cyanopyrid-4-yl, 2-methylpyrid-4-yl or 2-trifluoromethylpyrid-6-yl.

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7 (previously presented): A compound according to claim 1  
wherein L is CO and -Lp(D)n is of the formula:



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wherein;

$m$  represents 0 or 1;

$x^0$  represents CH or N; and

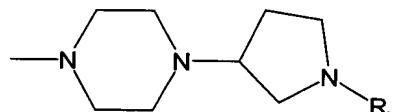
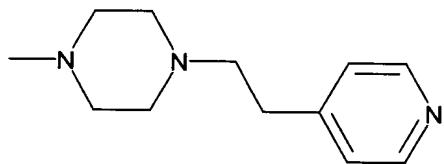
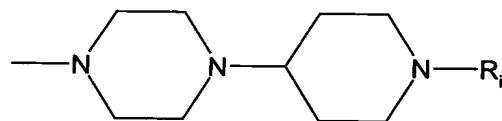
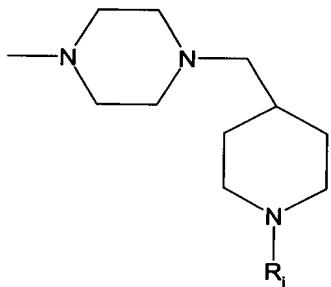
when  $R_3$  is present as a substituent on an aromatic ring,  
it is selected from hydrogen, alkylsulphonyl, aminosulphonyl,

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alkylaminosulphonyl, alkylaminocarbonyl, amino, amido, alkoxy carbonyl, acetyl amino, chloro, fluoro, cyano, methoxy, ethoxy, nitro, hydroxy, alkylsulphonylamino, triazolyl and tetrazolyl; and

when R<sub>3</sub> is present as a substituent on a saturated ring, it is selected from hydrogen, hydroxy, amino, (1-3C) alkoxy, (1-3C) hydroxyalkyl, (1-3C) alkyl, carboxy, methoxycarbonyl and ethoxycarbonyl.

8 (original): A compound according to claim 7 wherein -L<sub>p</sub>(D)<sub>n</sub> is of the formula:



wherein R<sub>1</sub> is hydrogen or (1-6C) alkyl.

9 (currently amended): A compound according to claim 1 wherein R<sub>2</sub> is:-

(i) phenyl optionally being substituted in the 3 and/or 4 position by fluoro, chloro, bromo, iodo, nitro, difluoromethoxy, trifluoromethoxy, amino, cyano, trifluoromethyl, methylthio, vinyl, carboxy, acetoxy, MeSO<sub>2</sub><sup>-</sup>, hydroxy, methoxy, ethoxy, methyl, methoxycarbonyl, methylamino, ethylamino or amido, and optionally substituted

at the 6 position by amino, hydroxy, fluoro, methoxycarbonyl, cyano or aminomethyl;

(ii) naphth-2-yl optionally substituted at the 6, position by hydroxy and optionally substituted at the 3 position by amino or hydroxy;

(iii) isoquinolin-7-yl, indol-5-yl, indol-6-yl, indazol-5-yl, indazol-6-yl, benzothiazol-6-yl or benzisoxazol-5-yl optionally substituted at the 3 position by chloro, bromo, amino, methyl or methoxy;

(iv) benzimidazol-5-yl or benzothiazol-6-yl optionally substituted at the 2 position by amino;

(v) thien-2-yl or thien-3-yl optionally substituted at the 4 or 5 position by methylthio, methyl or acetyl;

(vi) 3,4-methylenedioxypyhenyl, 2,3-dihydroindol-6-yl, 3,3-dichloro-2-oxo-indol-6-yl or 1-methyl-3-aminoindazol-5-yl;

(vii) benzothiazol-2-yl, imidazo[1,2-a]pyrimidin-2-yl or tetrahydroimidazo[1,2-a]pyrimidin-2-yl;

(viii) pyrazol-2-yl substituted at the 5 position by methyl;

(ix) 5-chloropyrid-2-yl; pyrid-2-yl optionally substituted at the 6 position by chloro;

(x) pyrid-3-yl or 6-chloropyrid-3-yl; pyrid-3-yl optionally substituted at the 4 position by chloro;

(xi) benzofur-2-yl, 5-chlorobenzofur-2-yl, 3-methylbenzofur-2-yl, 5-methylbenzofur-2-yl or 6-methoxybenzofur-2-yl; benzofur-2-yl optionally substituted at the 3 position by chloro, methyl or methoxy, at the 5 or 6 position by methyl and at the 6 position by methoxy;

(xii) indol-2-yl optionally substituted on the indole nitrogen atom by methyl and optionally substituted at the 5 or 6 position by fluoro, chloro, bromo, methyl or methoxy;

(xiii) indol-6-yl substituted at the 5 position by chloro, fluoro or hydroxy and optionally substituted at the 3 position by chloro or methyl; or

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(xiv) benzo[b]thiophen-2-yl optionally substituted at the 3 position by fluoro, chloro or methyl, and optionally substituted at the 5 or 6 position by fluoro, chloro, methyl, hydroxy, or methoxy.

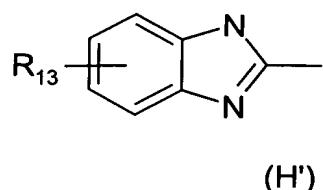
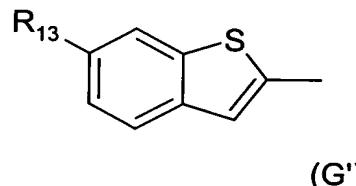
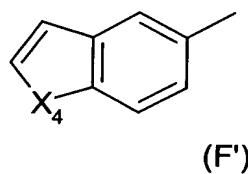
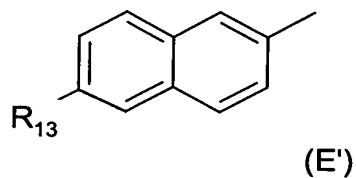
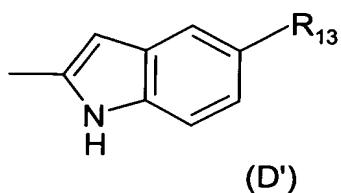
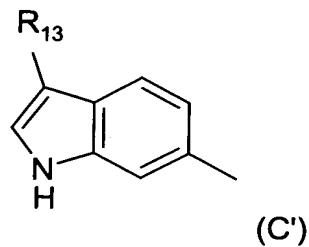
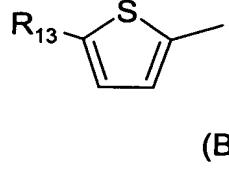
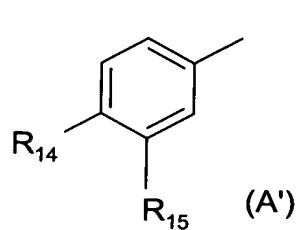
10 (currently amended): A compound according to claim 9 wherein R<sub>2</sub> is:-

(i) phenyl, 2-aminophenyl, 3-aminophenyl, ~~2-amino-3-fluorophenyl~~, ~~2-amino-4-fluorophenyl~~, ~~2-amino-4-chlorophenyl~~, ~~2-amino-3-bromophenyl~~, ~~2-amino-3-nitrophenyl~~, ~~2-amino-4-nitrophenyl~~, ~~3,4-dimethoxy-5-aminophenyl~~, ~~2-amino-4-methylphenyl~~, ~~2-amino-3-methylphenyl~~, ~~2-amino-3-methoxyphenyl~~, ~~3,4-diaminophenyl~~, ~~3,5-diaminophenyl~~, ~~3-amino-4-fluorophenyl~~, ~~3-amino-4-chlorophenyl~~, ~~3-amino-4-bromophenyl~~, ~~3-amino-4-hydroxyphenyl~~, ~~3-amino-4-carboxymethylphenyl~~, ~~3-amino-4-methylphenyl~~, ~~3-amino-4-methoxyphenyl~~, ~~2-fluorophenyl~~, ~~4-fluoro-3-cyanophenyl~~, ~~3-chlorophenyl~~, ~~3-chloro-4-hydroxyphenyl~~, ~~3-chloro-5-hydroxyphenyl~~, ~~4-chlorophenyl~~, ~~4-chloro-2-hydroxyphenyl~~, ~~4-chloro-3-hydroxyphenyl~~, ~~4-chloro-3-methylphenyl~~, ~~4-chloro-3-methoxyphenyl~~, ~~4-bromophenyl~~, ~~4-bromo-3-methylphenyl~~, ~~4-iodophenyl~~, ~~2-cyanophenyl~~, ~~3-cyanophenyl~~, ~~4-cyanophenyl~~, ~~3-cyano-5-aminophenyl~~, ~~2-hydroxyphenyl~~, ~~2-hydroxy-4-methoxyphenyl~~, ~~3-hydroxyphenyl~~, ~~3-hydroxy-4-methylphenyl~~, ~~2,4-dihydroxyphenyl~~, ~~3,4-dihydroxyphenyl~~, ~~3-hydroxy-4-methoxyphenyl~~, ~~4-difluoromethoxyphenyl~~, ~~4-trifluoromethoxyphenyl~~, ~~4-trifluoromethoxyphenyl~~, ~~4-trifluoromethylphenyl~~, ~~4-methylthiophenyl~~, ~~4-methoxycarbonylphenyl~~, ~~4-acetoxyphenyl~~, ~~4-methanesulfonylphenyl~~, ~~3-methylphenyl~~, ~~3-methyl-5-aminophenyl~~, ~~4-methylphenyl~~, ~~4-vinylphenyl~~, ~~4-methoxyphenyl~~, ~~4-ethoxyphenyl~~, ~~4-methoxy-3-chlorophenyl~~, ~~4-methoxy-3-methylphenyl~~, ~~3-methylaminophenyl~~, ~~4-methylaminophenyl~~, ~~4-ethylaminophenyl~~ or ~~2-aminomethylphenyl~~;

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- (ii) naphth-2-yl, 3-aminonaphth-2-yl, 3-hydroxynaphth-2-yl or 6-hydroxynaphth-2-yl;
- (iii) isoquinolin-7-yl, indol-5-yl, indol-6-yl, 3-chloroindol-6-yl, 3-bromoindol-6-yl, 3-methylindol-6-yl, 3-methoxyindol-6-yl, indazol-5-yl, 3-aminoindazol-5-yl, indazol-6-yl, benzothiazol-6-yl, 3-aminobenzisoxazol-5-yl;
- (iv) benzimidazol-5-yl, 2-aminobenzimidazol-5-yl, or benzothiazol-6-yl;
- (v) thien-2-yl, 5-methylthien-2-yl, 5-methylthio-thien-2-yl, 5-acetylthien-2-yl or thien-3-yl;
- (vi) 3,4-methylenedioxypyphenyl, 2,3-dihydroindol-6-yl, 3,3-dichloro-2-oxo-indol-6-yl or 1-methyl-3-aminoindazol-5-yl;
- (vii) benzothiazol-2-yl, imidazo[1,2-a]pyrimidin-2-yl or tetrahydroimidazo[1,2-a]pyrimidin-2-yl;
- (viii) 5-methylpyrazol-2-yl;
- (ix) 5-chloropyrid-2-yl;
- (x) pyrid-3-yl, 6-chloropyrid-3-yl;
- (xi) benzofur-2-yl, 5-chlorobenzofur-2-yl, 3-methylbenzofur-2-yl, 5-methylbenzofur-2-yl, 6-methoxybenzofur-2-yl;
- (xii) indol-2-yl, 5-fluoroindol-2-yl, 5-chloroindol-2-yl, 5-methylindol-2-yl, 5-methoxindol-2-yl, 6-methoxyindol-2-yl and 1-methyl-indol-2-yl;
- (xiii) 5-fluoroindol-6-yl; or
- (xiv) benzo[b]thiophen-2-yl, 5-chloro- benzo[b]thiophen-2-yl or 6-chlorobenzo[b]thiophen-2-yl.

11 (previously presented): A compound according to claim 1 wherein R<sub>2</sub> is selected from one of the formula (A') to (H'):



wherein  $X_4$  is O or S,  $R_{13}$  is selected from hydrogen, fluoro [except for (C')], chloro or methyl and  $R_{14}$  is selected from hydrogen, methyl, ethyl, fluoro, chloro, and methoxy and  $R_{15}$  is selected from hydrogen, methyl, fluoro, chloro and amino.

12 (previously presented): A compound according to claim 11, wherein  $R_2$  is 4-chlorophenyl, 4-methoxyphenyl, 3-amino-4-chlorophenyl, indol-2-yl, 5-chloroindol-2-yl, indol-6-yl, 3-chloroindol-6-yl or 3-methylindol-6-yl.

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13 (canceled) :

14 (canceled) :

15 (canceled) :

16 (canceled) :

17 (canceled) :

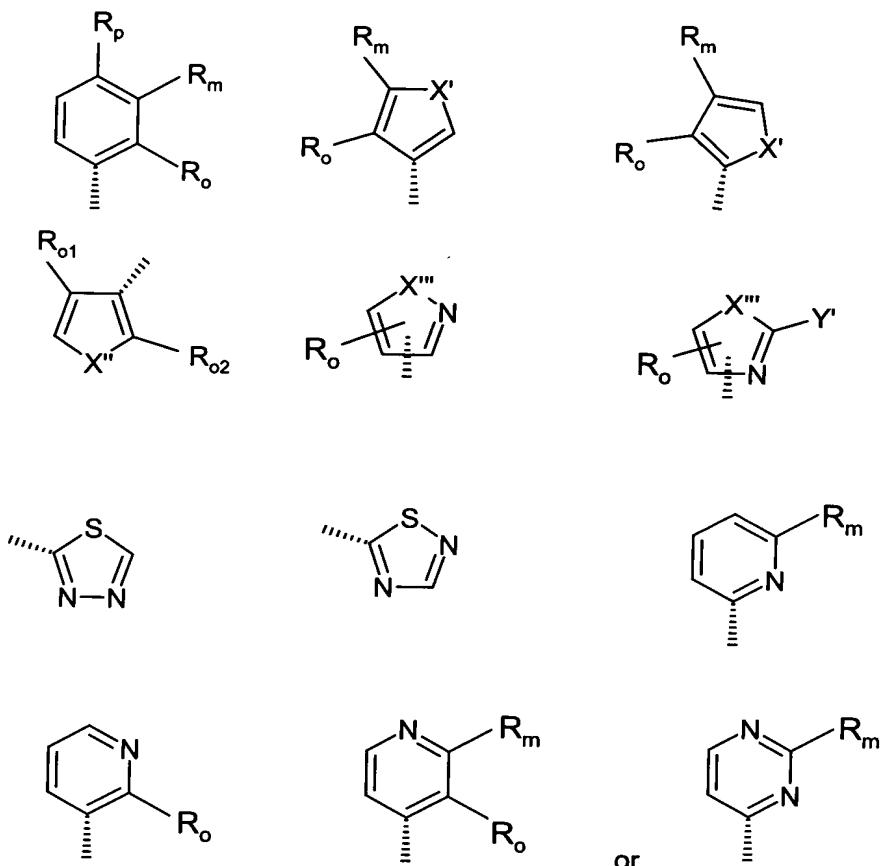
18 (canceled) :

19 (previously presented): A compound according to claim 1 wherein R<sub>3a</sub> is selected from hydrogen, hydroxyl, methoxy, ethoxy, methyl, ethyl, methylaminomethyl, dimethylaminomethyl, hydroxymethyl, carboxy, methoxymethyl, methoxycarbonyl, ethoxycarbonyl, methylaminocarbonyl, dimethylamino-carbonyl, aminomethyl, CONH<sub>2</sub>, CH<sub>2</sub>CONH<sub>2</sub>, acetylarnino, methoxycarbonylamino, ethoxycarbonylamino, t-butoxycarbonylamino, amino, fluoro, chloro, bromo, cyano, nitro, thiol, methylthio, methylsulphonyl, ethylsulphonyl, methylsulphenyl, methylsulphonylamido, ethylsulphonylamido, methylaminosulphonyl, ethylaminosulphonyl, aminosulphonyl, trifluoromethoxy, trifluoromethyl, bromo, -OCH<sub>2</sub>O- (which is bonded to two adjacent ring atoms in Cy) and -C(X<sup>3</sup>)N(R<sup>11</sup>)R<sup>12</sup> (wherein X<sup>3</sup> is O or S and R<sup>11</sup> and R<sup>12</sup> are independently selected from hydrogen, methyl or ethyl or together with the nitrogen atom to which they are attached form a pyrrolidin-1-yl, piperidin-1-yl or morpholino group).

20 (canceled) :

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21 (previously presented): A compound according to claim 1 wherein Cy is selected from:



wherein:

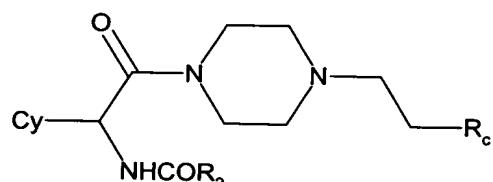
X' is selected from O, S and NMe;  
X'' is selected from O and S;  
X''' is selected from O, S, NH and NMe;  
Y' is selected from hydrogen, amino and methyl;  
R<sub>o</sub> is selected from hydrogen, methyl, fluoro, chloro, trifluoromethyl, methoxy, methylthio, methylsulphinyl and methylsulphonyl;  
R<sub>m</sub> is selected from hydrogen, methyl, fluoro, chloro, trifluoromethyl, methoxy, methylthio, methylsulphinyl, methylsulphonyl, carboxy, methoxycarbonyl and a group of the

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formula  $-C(X^3)N(R^{11})R^{12}$  (wherein  $X^3$  is O or S and  $R^{11}$  and  $R^{12}$  are independently selected from hydrogen, methyl or ethyl or together with the nitrogen atom to which they are attached form a pyrrolidin-1-yl, piperidin-1-yl or morpholino group);  $R_p$  is selected from hydrogen and fluoro; or  
 $R_O$  and  $R_m$  or  $R_m$  and  $R_p$  form an  $-OCH_2O-$  group; or  
 $R_O$  and  $R_m$  together with the ring to which they are attached form a 5 or 6 membered aryl or heteroaryl ring (wherein the heteroaryl ring contains 1 or 2 heteroatoms selected from nitrogen, oxygen and sulfur); and  
one of  $R_{O1}$  and  $R_{O2}$  is hydrogen and the other is  $R_O$ .

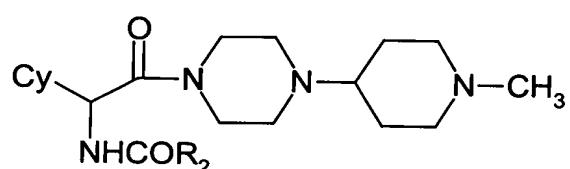
22 (previously presented): A compound according to claim 1 wherein Cy is selected from phenyl, 2-chlorophenyl, 2-methoxyphenyl, 4-carbamoylphenyl, pyrid-2-yl, pyrid-4-yl, thien-2-yl, thien-3-yl, furan-2-yl, furan-3-yl, imidazol-2-yl, thiazol-2-yl, thiazol-4-yl, thiazol-5-yl and quinolin-4-yl.

23 (previously presented): A compound of the formula:



wherein Cy, R<sub>2</sub> and R<sub>C</sub> are as defined in any one of claims 1 to 6, 9 to 12, 19 and 21 to 22.

24 (previously presented): A compound of the formula:



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wherein Cy and R<sub>2</sub> are as defined in any one of claims 1 to 2,  
9 to 12, 19 and 21 to 22.

25 (canceled):

26 (previously presented): A compound as claimed in Claim 1, which is selected from:

1-(Indole-6-carbonyl-D-phenylglycinyl)-4-[2-(4-pyridinyl)-ethyl]piperazine;  
1-(3-Chloroindole-6-carbonyl-D-phenylglycinyl)-4-[2-(4-pyridinyl)ethyl]piperazine;  
1-(4-Methoxybenzoyl-D-phenylglycinyl)-4-(1-methylpiperidin-4-yl)piperazine;  
1-(4-Methoxybenzoyl-D-(2-chlorophenyl)glycinyl)-4-(1-methylpiperidin-4-yl)piperazine;  
1-(Indole-6-carbonyl-D-(2-chlorophenyl)glycinyl)-4-(1-methylpiperidin-4-yl)piperazine; and  
1-(4-Methoxybenzoyl-D-(2-trifluoromethylphenyl)glycinyl)-4-(1-methylpiperidin-4-yl)piperazine;  
and physiologically-tolerable salts thereof.

27 (previously presented): A pharmaceutical composition, which comprises a compound as claimed in claim 1 together with at least one pharmaceutically acceptable carrier or excipient.

28 (canceled):

29 (canceled):

30 (previously presented): A method of treatment of a human or non-human animal body to combat a thrombotic disorder selected from venous thrombosis, pulmonary embolism, arterial thrombosis, myocardial ischaemia, myocardial infarction and

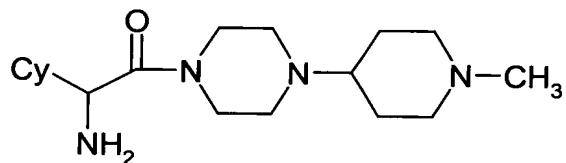
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cerebral thrombosis, which comprises administering to said body an effective amount of a compound as claimed in claim 1.

31 (canceled):

32 (canceled):

33 (previously presented): A compound of the formula



or a salt thereof in which Cy is as defined in any one of claims 1, 21 and 22.

34 (previously presented): A compound as claimed in any one of claims 1 to 13, 19 and 21 to 22, wherein the alpha atom in Y is carbon and has the conformation that would result from construction from a D- $\alpha$ -aminoacid NH<sub>2</sub>-CH(Cy)-COOH where the NH<sub>2</sub> represents part of X-X.

35 (previously presented): A pharmaceutical composition, which comprises a compound as claimed in claim 34 together with at least one pharmaceutically acceptable carrier or excipient.

36 (previously presented): A method of treatment of a human or non-human animal body to combat a thrombotic disorder selected from venous thrombosis, pulmonary embolism, arterial thrombosis, myocardial ischaemia, myocardial infarction and cerebral thrombosis, which comprises administering to said body an effective amount of a compound as claimed in claim 34.

37 (previously presented): A method as claimed in claim 36 in which said human or non-human animal body is a human body.